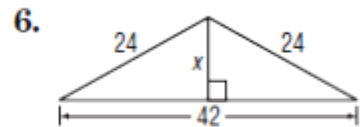
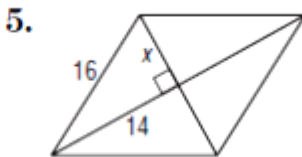
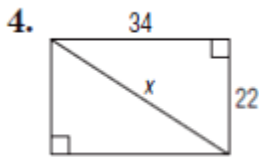
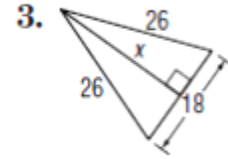
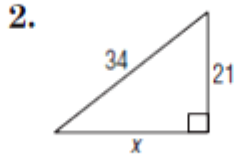
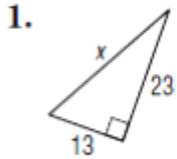


Name _____ Period _____

Geometry Unit 7 Worksheet #5 - Review for Quiz 7.1 - 7.4

TARGET A - Pythagorean Theorem

Find x . Round answers to the nearest tenth if needed,



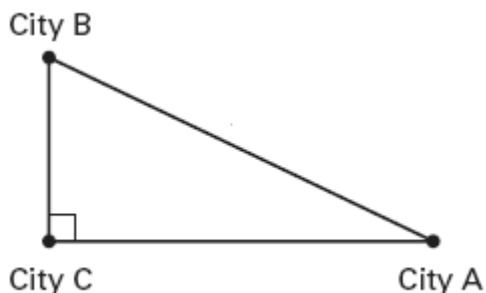
Decide whether the numbers can represent the side lengths of a triangle. If they can, classify the triangle as *acute*, *right*, or *obtuse*.

7.) 5, 7, 9

8.) 10, 12, 30

9.) 18, 34, 45

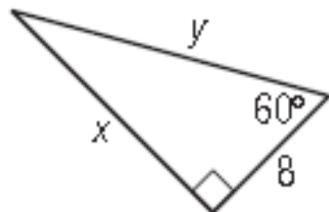
- 10.) Three cities form a right triangle on a map. The total distance from City A to City C to City B is 700 miles. The distance between the two closest cities is 300 miles. What is the distance from City A to City B?



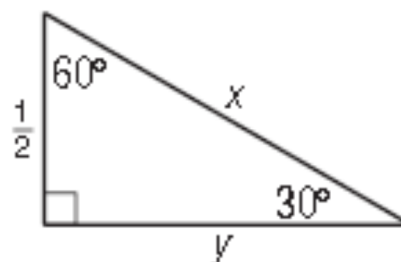
TARGET B - SPECIAL RIGHT TRIANGLES

For number 11-18, find the missing sides.

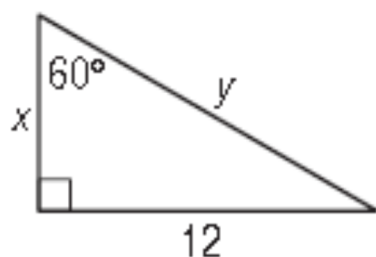
11.



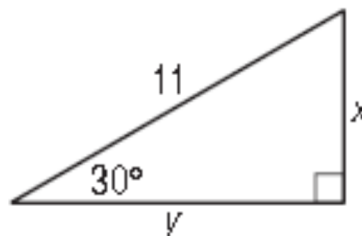
12.



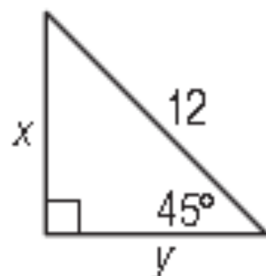
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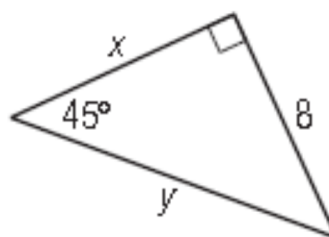
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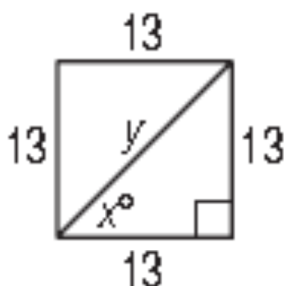
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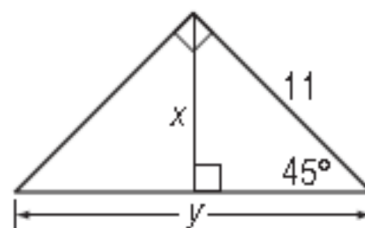
16.



17.



18.



19. **Baseball** The baselines of a baseball field form a square. The distance from home plate to first base is 90 feet. Use the diagram at the right. Round decimal answers to the nearest inch.

- What is the distance from home plate to second base?
- What is the distance from third base to first base?
- The pitcher's mound is 60 feet 6 inches from home plate. Is it the midpoint of the diagonal from home plate to second base? If not, what is the midpoint?

